

# *Introduction to Safety and Environmental Health*

## *Auto Parts Business*

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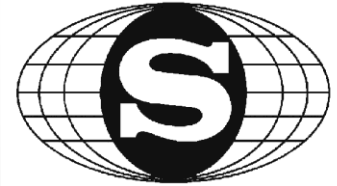
Environmental, Health & Safety Compliance Training



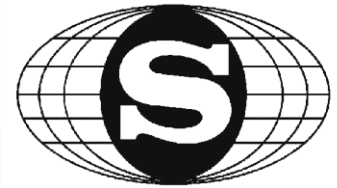
# Environmental Awareness Compliance Training



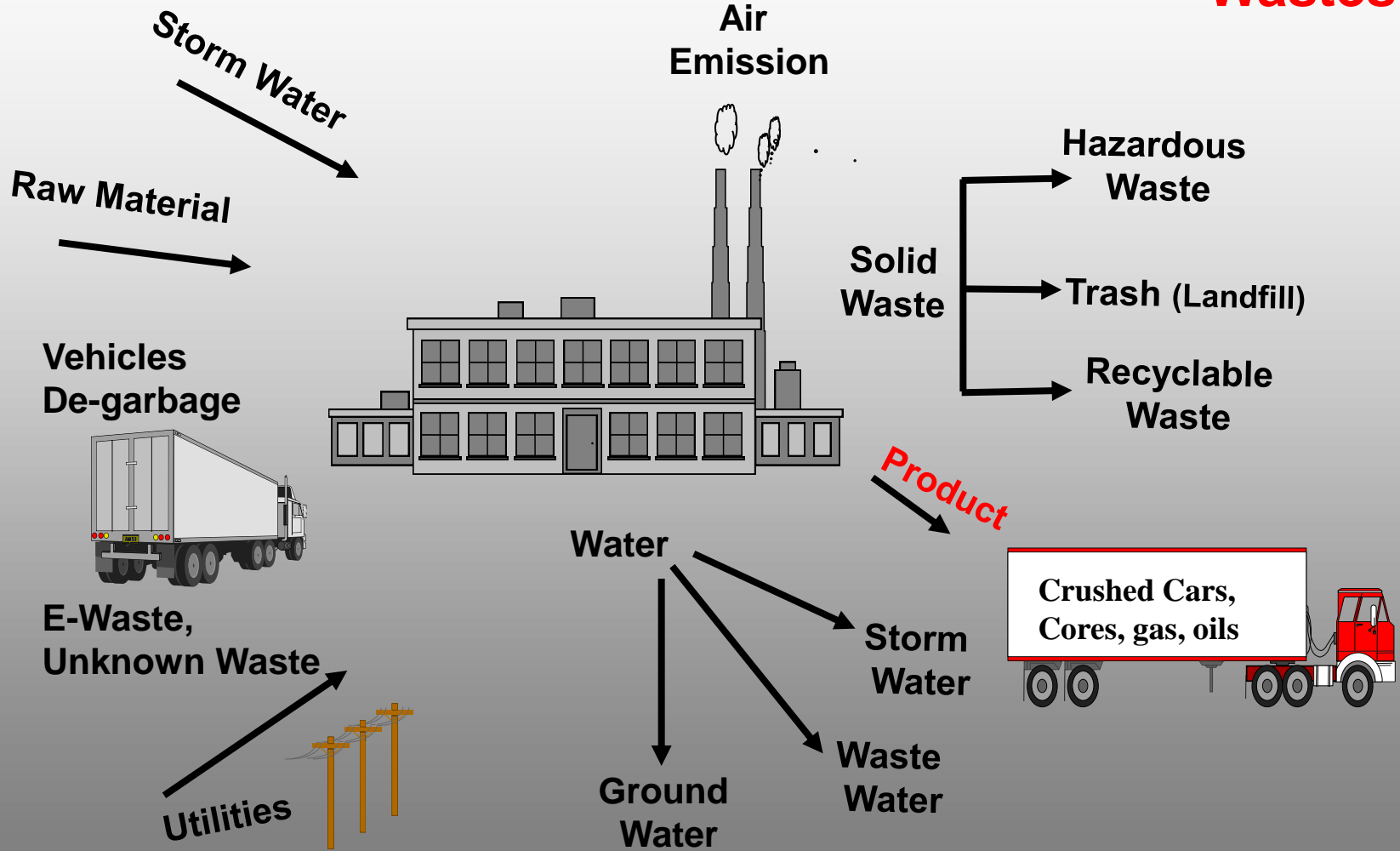
# Objectives



- Educate employees about federal, state regional, and local regulations
- Educate employees about Environmental impacts due to:
  - Process Changes &
  - Regulation Changes



## Wastes





# Air Pollution



## Potential Air Pollutants from Pick-n-Pull Operations

- Gas Drain area vapor
- Fumes
- Crusher
- Yard
- Dust
- Diesel Emissions
- Lifting Equipment



# Preventive Measures to control pollutants

- Gas drain area naturally ventilated
  - Converting crushers to electric over time
  - Emission control requirements in CA on diesel equipment
  - Spray water on yard to keep dust down







# Potential Spills & Violations

- Delayed conversion
- Not keeping yard sprayed and controlling dust



# Storm Water



## Fact

- One gallon of oil can contaminate a Million Gallons of Water
- We are required to use all necessary means to keep oils and fuel off the ground and out of storm water and puddles





# Storm Water



- ONLY rain water is allowed to be discharged from storm water drains
- Storm sewers drain to nearby creeks and rivers (public water ways)
- Discharge from the storm drain is not treated
- Contaminated storm water may harm drinking water



# Storm Water



- Potential Areas of Hazard
- Hazardous chemicals storage (acid, oil, etc.)
- Open chemical container spills in production and de-garbage areas
- Oil leaks from vehicles in yard, parking lot, impound

# Storm Water



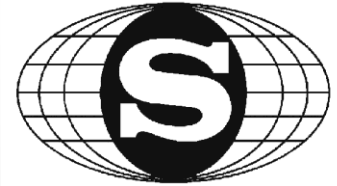
- Preventive Measures

- All hazardous chemical & waste storages are contained
- Don't drain rain water if it's contaminated
- Witches hats & drain interceptors that use gravity to settle contaminants from run off
- Keep Drain inlets clear of rocks & debris – change witches hats and oil booms regularly
- Clean up spills outside covered areas when they happen





# Storm Water



- **Storm Water Pollution Prevention Plan**
  - This plan is prepared to prevent storm water from becoming contaminated due to plant operation
  - Plan requires us to;
    - Maintain valid permit
    - Inspect all potential areas of hazard & discharge locations
    - Take storm water samples
    - Train employees, etc.
    - Clean up spills immediately
    - Cover or remove all possible sources of pollution







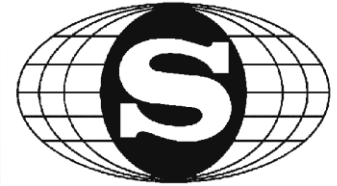
# Hazardous Waste



- Any waste, by-product, obsolete chemical, unknown chemical, spill cleanup, etc. that may harm the environment.




# Hazardous Waste



## Known hazardous waste at Pick N Pull:

- Used Oil
- Used Oil Absorbent (from spill cleanups)
- Obsolete Paint
- Battery acid
- Unknowns discovered in de-garbage
- Hazardous Waste must be handled by qualified and trained employees
- Hazardous waste must be labeled and kept in closed containers



**HAZARDOUS WASTE**

STATE AND FEDERAL LAW PROHIBITS  
IMPROPER DISPOSAL  
IF FOUND, CONTACT NEAREST POLICE

Generator Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
EPA ID # \_\_\_\_\_ Phone # \_\_\_\_\_  
Waste Type \_\_\_\_\_  
Waste Code \_\_\_\_\_ Date \_\_\_\_\_  
PPE \_\_\_\_\_  
Start Date \_\_\_\_\_



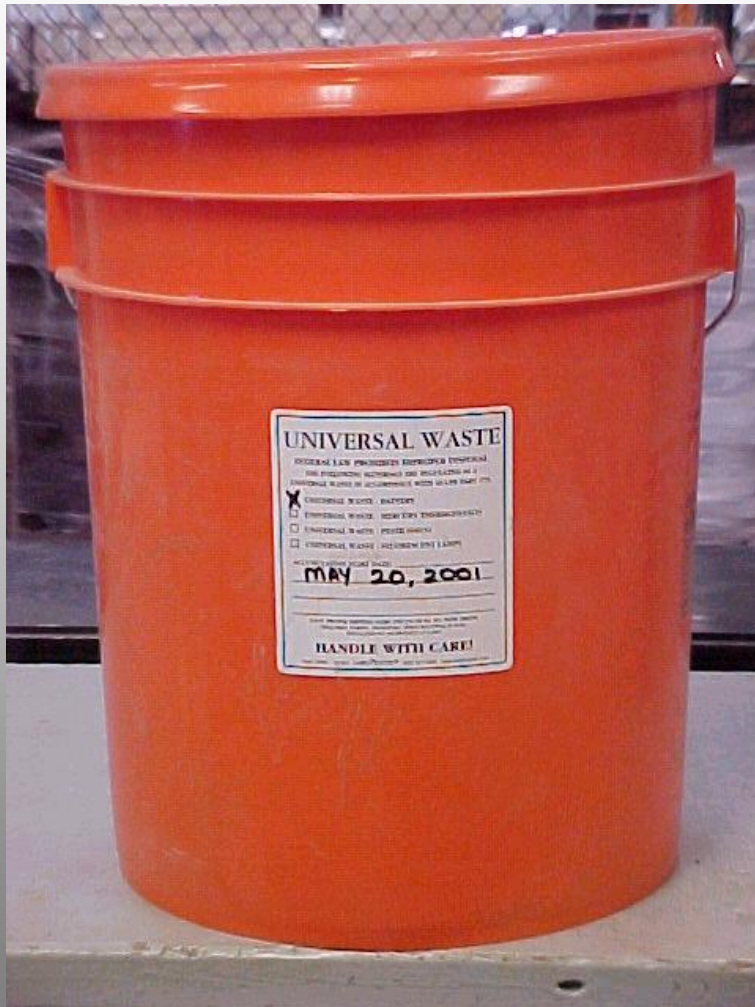
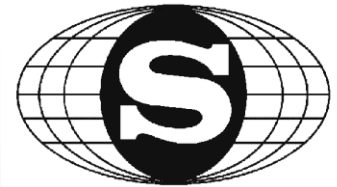
# Universal Waste



- Low Risk Hazardous Waste – CANNOT GO IN TRASH!
- Types of universal waste generated at APG facilities
  - Alkaline battery – used for flashlights, calculators, etc,
  - Ni-Cad battery – used for camcorders, 2-way radio, etc.
  - Li-Ion battery – used for Nextel, digital cameras, etc.
  - Lead acid battery – used for emergency lights, etc.
  - Fluorescent light bulbs
  - Mercury switches
  - Any electronics – TV, CD player, VCR, etc.



# Universal Waste



- Universal Waste storage locations
- ELVAS mercury switch collection buckets
- Cubic YD boxes for electronics
- Buckets for dry-cell batteries
- Recycle boxes for bulbs





# Hazardous Waste



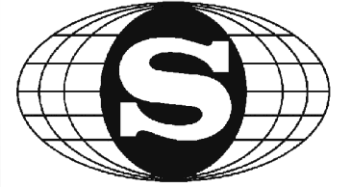
## Fact

- Introducing 1/70th of a teaspoon of mercury per year is sufficient to contaminate a 25-acre lake to such a degree that the fish are not safe to eat.





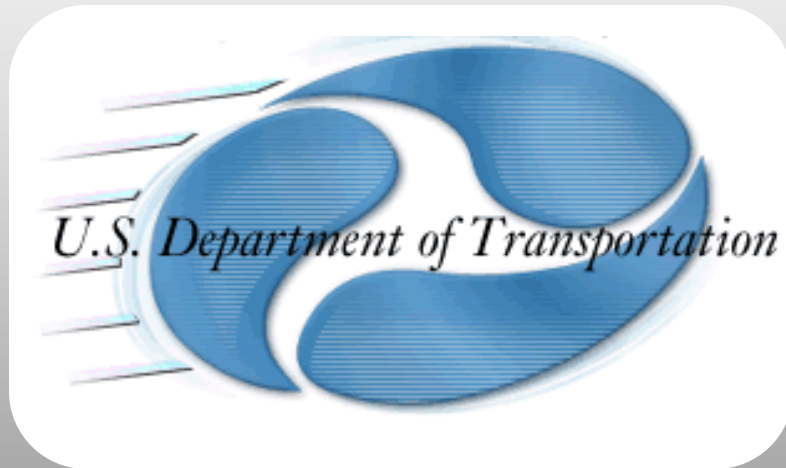
# DOT Regulation



- Any material shipped off-site that may contain any hazardous material must follow DOT regulations and must be shipped by DOT trained employees.

- Example:

- Drummed/ boxed used absorbent and contaminated soil
- Waste oil, brake fluid, coolant
- Any other hazardous waste





# Community Right To Know Act



- **Facility is required to keep up-to-date inventory of chemicals used, produced and/ or transported (SARA 311)**
  - **Material Safety Data Sheets (MSDS's) must be kept on file for employees' review**
  - **3E is our immediate source of MSDS information and spill response**



# Community Right To Know Act

- **Inventory (Business Plan) must be submitted to the County Department of Environmental Health Management on an annual basis (SARA 312)**
- **Any new chemical purchased after filing the Business Plan must be reported within 30 days from the date of purchase.**





# Community Right To Know Act



- Usage of hazardous material is reported to EPA and Cal-EPA through SARA 313 annually
- Report includes type of hazardous material used, disposed, spilled, emitted or shipped off-site.



# SPCC

(Spill Prevention Control & Countermeasure)



- SPCC Program is established to prevent all types of oil from entering into the public water ways (drainage ditches, river, pond, ocean, groundwater, etc.).
- This program requires us to implement procedures to
  - prevent spills
  - contain spills with secondary containment
  - clean up spills
  - report spills



# SPCC

(Spill Prevention Control & Countermeasure)



- Location manager has SPCC plan and must follow the inspection requirements.
- Spill clean-up/ control
- Each location has spill control & clean-up materials
- Plan must be updated each year





# Emergency Notification Procedure

